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REMARKS/ARGUMENTS

This case has been carefully reviewed and analyzed, and reconsideration and favorable action is respectfully requested.

CLAIM REJECTION UNDER 35 U.S.C. 102(e)

Claims 1-4, 6, 7, 10 and 11 were originally rejected under 35 U.S.C. 102(b) as being anticipated by Pai (US-2004/0102262).

CLAIM REJECTION UNDER 35 U.S.C. 103(a)

Claims 5, 8 and 9 were originally rejected under 35 U.S.C. 103(a) as being unpatentable over Pai.

Responsive to this, claim 3 is deleted and claim 1 is amended which is substantially the combination of original claims 1 and 3 so as to make the claimed invention more distinguishably patentable over the prior art reference cited by the Examiner. Applicant also submits the following comments.

The claimed invention discloses "a racket frame structure, comprising:

a main body having an inner side wall and an outer side wall;

the inner side wall of the main body having two opposite sides each formed with a plurality of reinforcement ribs arranged in a symmetric manner;

a plurality of main strings and a plurality of cross strings mounted in the main body to form a racket face, wherein the reinforcement ribs are located at connections of the main strings and the cross strings on the main body" as disclosed in the amended claim 1.

With reference to the Pai reference, it disclosed a tennis racket 10 comprising a head 11, a shaft 12, a yoke 121, and a handle 13. The hollow aluminum tubing 14 used to form the head 11 includes a sidewall 141, an inner space 142, a series of ripples 143 and a string groove 145. The sidewall 141 encloses the inner space 142, and the ripples 143 are formed on an inner side 144 of the head 11 on the sidewall 141. The string groove 145 is located opposite to the ripples 143. The ripples 143 can be formed anywhere on the sidewall 141, either along a segment or the entire length of the sidewall 141.

In comparison, in the Pai reference, the ripples 143 are formed on an inner side 144 of the head 11 on the sidewall 141.

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Thus, the Pai reference does not teach "the inner side wall of the main body having two opposite sides each formed with a plurality of reinforcement ribs arranged in a symmetric manner" as disclosed in the amended claim 1 of the claimed invention.

In addition, in the Pai reference, the ripples 143 are extended through the entire length of the sidewall 141 and are not located at connections of the main strings and the cross strings on the head 11.

Thus, the Pai reference does not teach "a plurality of main strings and a plurality of cross strings mounted in the main body to form a racket face, wherein the reinforcement ribs are located at connections of the main strings and the cross strings on the main body" as disclosed in the amended claim 1 of the claimed invention.

Further, in the Pai reference, the string groove 145 is located opposite to the ripples 143.

Thus, the Pai reference does not teach "the main body is formed with a plurality of string holes each extended through the inner side wall and the outer side wall of the main body, and each located between the reinforcement ribs at the two opposite sides of the inner side wall of the main body" as disclosed in the amended claim 4 of the claimed invention.

Further, in the Pai reference, each of the ripples 143 has a constant thickness.

Thus, the Pai reference does not teach "each of the reinforcement ribs has an elongated recess extended through a determined length of the inner side wall of the main body and having a mediate portion and two distal ends, and the elongated recess of each of the reinforcement ribs has a depth gradually increased from each of the two distal ends to the mediate portion thereof" as disclosed in the amended claim 8 of the claimed invention.

Further, in the Pai reference, the head 11 has a constant thickness.

Thus, the Pai reference does not teach "the main body has different cross sections by provision of the reinforcement ribs so that the different cross sections of the main body have different thickness" as disclosed in the amended claim 9 of the claimed invention.

Further, in the Pai reference, the ripples 143 are extended through the entire length of the hollow aluminum tubing 14 of the head 11 by the aluminum extrusion process. Thus, the hollow aluminum tubing 14 of the head 11 has a greater weight when its strength is enhanced, and has an insufficient strength when its weight is reduced.

On the contrary, in the claimed invention, the reinforcement ribs 25 are formed on the main body 21 after the main body 21 is formed integrally, and are located at connections (the

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connections need a larger strength) of the main strings 22 and the cross strings 220 on the main body 21 to form different faces to enhance the strength of the main body 21, so that the total weight of the main body 21 is reduced and the strength at the connections of the main strings 22 and the cross strings 220 on the main body 21 is enhanced.

Therefore, from the above mentioned descriptions, it is apparent that the claimed invention has disclosed a racket frame structure whose construction and function are quite different from and patentably distinguishable over that of the Pai reference. It is believed that the Pai reference does not provide the elements and objectives as are disclosed in the claimed invention, and cannot render obvious the claimed invention.

Accordingly, for all of the above-mentioned reasons, it is believed that the rejections under 35 U.S.C. 102(e) and 103(a) should be withdrawn, and the claims 1, 2 and 4-11 should be allowable.

In view of the foregoing amendments and remarks, Applicant submits that the application is now in a condition for allowance and such action is respectfully requested. If any points remain in issue, which the Examiner feels could best be resolved by either a personal or a telephone interview, he is urged to contact Applicant's attorney at the exchange listed below.

Respectfully submitted,

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